

# Programme, 7th WorldKLEMS Conference

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## Tuesday 11 October 2022

Location: [Alliance Manchester Business School \(AMBS\)](#), [Joining Information](#)

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14:45- 15:00	<b>Coffee and tea</b>	<i>'The Mill', in the AMBS</i>
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15:00- 18:00	<b>Tribute session for Professor Dale Jorgenson</b>  <a href="#">Zoom link</a> , passcode: 589199	<i>Room: Penthouse</i>
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Short presentations on Dale's contributions to KLEMS  
Productivity and Growth Accounting

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Personal memories from KLEMS community

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18:00- 20:00	<b>Reception and informal dinner</b>	<i>'The Mill', in the AMBS</i>
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## Day 1, Wednesday 12 October 2022

Location: [Core Technology Facility](#), 46 Grafton St, [Joining Information](#)

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9:00- 10:00	<b>Opening Session</b>  <a href="#">Zoom link</a> , passcode: 366806	<i>Dalton Room</i>
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	<b>Opening Remarks</b>	<b>Bart van Ark</b>
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	<b>Keynote: Investment and Productivity</b>	<b>Jonathan Haskel</b> , <a href="#">presentation</a>
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## Day 1, Wednesday 12 October 2022

Location: [Core Technology Facility](#), 46 Grafton St, [Joining Information](#)

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10:00-10:15	Break	<i>'The Street'</i> , outside Dalton Room
10:15-12:15	Plenary session 1: Digital and Intangibles	Chair: <b>Barbara Fraumeni</b> , <i>Dalton Room</i>
	<a href="#">Are digital-using UK firms more productive?</a>	<b>Diane Coyle</b> , Kieran Lind, David Nguyen and Maneul Tong, <a href="#">presentation</a>
	<a href="#">Are Intangibles Running out of Steam?</a>	<b>Bart van Ark</b> , Klaas de Vries and Abdul Erumban, <a href="#">presentation</a>
	<i>Discussion</i>	<b>Cecilia Jona-Lasinio</b>
	<a href="#">Declining Capital Formation in Japan and the Role of Intangibles: Empirical Studies Using Industry-level Data</a>	<b>Tsutomu Miyagawa</b> , and Takayuki Ishikawa, <a href="#">presentation</a>
	<a href="#">Organizational capital, ICT and productivity in the digital age</a>	<b>Filippo Bontadini</b> , C. Jona-Lasinio, Giuseppe Nicoletti, <a href="#">presentation</a>
	<i>Discussion</i>	<b>Marcel Timmer</b>
12:15-13:15	Lunch	<i>'The Street'</i> , outside Dalton Room
	Meeting World KLEMS Programme Committee	Bart van Ark

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## Day 1, Wednesday 12 October 2022

Location: [Core Technology Facility](#), 46 Grafton St, [Joining Information](#)

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13:15- 3 Parallel Sessions (4 papers  
15:15 each)

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### EU KLEMS

Chair: **Filippo Bontadini**, *Innovation room*

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[Why is productivity slowing down?](#)

Ian Goldin, Pantelis Koutroumpis , **François Lafond**, and Julian Winkler, [presentation](#)

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[Productivity and structural change: Cross-country evidence](#)

**Ana Rincon Aznar**, and Julian Winkler, [presentation](#)

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*Discussion*

**Nick Oulton**, [presentation](#)

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[Working in an immaterial world: intangible assets and the Supply and Demand for skilled labour](#)

Mary O'Mahony, Kate Robinson and **Michaela Vecchi**, [presentation](#)

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[Productivity Growth and Spillovers across European Industries: A Global Value Chain Perspective Based on EURO KLEMS](#)

Weilin Liu, Qian Cheng, and **Robin Sickles**, [presentation](#)

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*Discussion*

**Martin Fleming**

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### Japan/China/Russia KLEMS

Chair: **Abdul Erumban**, *Dalton room*

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[Alternative Measures for Chinese and Japanese Productivity Growth](#)

**Erwin Diewert**, Koji Nomura and Chihiro Shimizu, [presentation](#)

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[Secular Stagnation of Labor Productivity and Real Wage in Japan: An Empirical Analysis Based on the JIP Database 2021 and Firm/Establishment-Level Data](#)

**Kyoji Fukao**, Kenta Ikeuchi, Tomohiko Inui, YoungGak Kim, HyeogUg Kwon, Tatsuji Makino, Toshiyuki Matsuura, Tsutomu Miyagawa, Shinji Tahara, and Joji Tokui

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[Intermediate goods and Russian growth in 2003-2018](#)

Eduard Baranov, Dmitri Piontkovski, Aleksandr Roskin, Anton Tolokonnikov, and **Ilya Voskoboynikov**

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*Discussion*

**Abdul Erumban**

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[Effects of Innovation and ICT on Structural Change and Productivity Growth: Insights from the latest KLEMS Dataset](#)

**Khuong Vu**

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*Discussion*

**Andre Hofman**, [presentation](#)

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### Physical Capital

Chair: **Jon Samuels**, *Rutherford room*

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[Analysis of capital related productivity indicators disseminated by Eurostat](#)

Veronique Deneuille, **Nadia Di Veroli**, and Christine Gerstberger, [presentation](#)

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Spanish capital stock at the regional level. Methodology and (some) results

**Matilde Mas**, and Christine Gerstberger, [presentation](#)

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*Discussion*

**Wulong Gu**, [presentation](#)

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[A Sensitivity Analysis of Capital and MFP Measurement to Asset Depreciation Patterns and Initial Capital Stock Estimates](#)

**Pierre-Alain Pionnier**, María Belén Zinni, and Kéa Baret, [presentation](#)

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[North Korea's Economic Growth Revisited with New Capital Estimates](#)

Hak Kil Pyo, Taehyoung Cho, and **Minjung Kim**, [presentation](#)

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*Discussion*

**Mun Ho**

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15:15-  
15:30

**Break**

'The Street', outside Dalton Room

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15:30-  
17:30

**2 Parallel Sessions (4 papers each)**

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**COVID**

Chair: **Bart van Ark** *Dalton room*

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[Updated US BEA-BLS Integrated Industry-level Production Account: analyzing sources of growth between the COVID recession and the Great Recession](#)

Corby Garner, Justin Harper, **Mathew Russell**, and Jon Samuels, [presentation](#)

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COVID Scarring and Sustainable Recovery Challenges: A Production Function Approach

**S. Ghosh**, P. Gopalakrishnan and Debojyoti Mazumder, [presentation](#)

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*Discussion*

**Tsutomo Miyagawa**

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[Taxes, Subsidies, and Productivity Measurement in the Covid Era](#)

**Corby Garner**, Randy Kinoshita, Susan Powers, and Jill Janocha Redmond, [presentation](#)

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[Covid-19 Pandemic and Total Factor Productivity in the Quarterly Model of Korea \(2012-2021\)](#)

Hak Pyo, Keunhee Rhee, Yoojin Bin, **Yongcheol Shin**, [presentation](#)

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*Discussion*

**Matthew Russell**, [presentation](#)

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**LA KLEMS**

*Innovation room*

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[PPPs and Relative Productivity Levels in Latin America: Evidence from the LA KLEMS Productivity Level Database](#)

Tomás Gálvez, **Wulong Gu**, and André Hofman, [presentation](#)

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[Knowledge-Based Capital and Economic Development in Latin America, 1990 - 2016](#)

**Andre Hofman**, [presentation](#)

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*Discussion*

**Ana Rincon-Aznar**, [comments Gu](#), [comments Hofman](#)

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The KLEMS experience in Mexico and its impact at the national level

**Francisco Guillén**, [presentation](#)

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[Technological differences in Costa Rica](#)

Pablo Slon Montero and **Alberto Vindas Quesada**, [presentation](#)

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## Day 1, Wednesday 12 October 2022

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*Discussion*

Andre Hofman, [presentation](#)

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18:00-  
21:00 Reception and Dinner

Location: [The Whitworth Art Gallery](#)

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Dinner talk: Economic Statistics  
for Excellence: What has ESCoE  
taught us?

Rebecca Riley

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## Day 2, Thursday 13 October 2022, Core Technology Facility

Location: [Core Technology Facility](#), 46 Grafton St, [Joining Information](#)

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9:00-  
10:30 Plenary session 2: Measurement (3  
papers)

Chair: Mary O'Mahony, *Dalton  
Room*

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[Comparing productivity growth  
across databases](#)

Reitze Gouma, and Robert  
Inklaar, [presentation](#)

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[The Divisia approach to measuring  
output and productivity: with an  
application to the BEA-BLS integrated  
industry-level production account,  
1987-2020](#)

Nicholas Oulton, [presentation](#)

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Latest developments in OECD work  
on Inter-Country Input-Output (ICIO)  
tables

Colin Webb, [presentation](#)

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*Discussion*

Jon Samuels

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## Day 2, Thursday 13 October 2022, Core Technology Facility

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10:30- Break *'The Street'*, outside Dalton Room  
10:45

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10:45- 2 Parallel sessions (3 papers each)  
12:15

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**India KLEMS**

Chair: **Kyoji Fukao**, *Dalton room*

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Determinants of Total Factor  
Productivity Growth: Sectoral  
Evidence from India KLEMS

Bishwanath Goldar, **Sadhan  
Kumar Chattopadhyay**,  
Siddhartha Nath, Sreerupa  
Sengupta and Pilu Chandra Das,  
[presentation](#)

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[The role of market services in India's  
post-reform economic growth](#)

**Pilu Chandra Das**, Samiran Dutta,  
and Bishwanath Goldar

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Labour productivity in India: An  
analysis of regional and sectoral  
sources

**Abdul A. Erumban**, S. K.  
Chattopadhyay, H. Behera, S.  
Sengupta, S.Joshi, and S.  
Aggarwal, [presentation](#)

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*Discussion*

**Khuong Vu**

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**Global productivity**

Chair: **Mun Ho**, *Innovation room*

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[The sources of productivity  
convergence: sectors and structural  
change](#)

Robert Inklaar and **Ryan Marapin**,  
[presentation](#)

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[Sectoral Decomposition of  
Convergence in Labor Productivity: A](#)

Alistair Dieppe, and **Hideaki  
Matsuoka**, [presentation](#)



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[Re-examination from a New Dataset](#)

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[Intersectoral Implications for Construction Productivity](#)

Saumik Paul and **Kunal Sen**

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*Discussion*

**Barbara Fraumeni**, [presentation](#)

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12:15-  
13:15 **Lunch**

'The Street', outside Dalton Room

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**Tribute session Deb Kusum Das**  
[Zoom link](#), passcode: 610820

**Abdul Erumban** (organiser),  
[presentation](#)

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13:15-  
14:45 **2 Parallel Sessions (3 papers each)**

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**Measurement applications**

Chair: **Abdul Erumban**, *Dalton room*

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[Technology, Long-Term Growth, and Economic Measurement](#)

**Martin Fleming**, [presentation](#)

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[Measuring the value of free digital goods](#)

**John Lourenze Poquiz**,  
[presentation](#)

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[Hours of Work during the COVID-19 Pandemic: Implications for Labor Productivity Measures](#)

**Sabrina Pabilonia**, Drake Palmer,  
and Jay Stewart, [presentation](#)

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*Discussion*

**Corby Garner**, [presentation](#)

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**Human Capital**

*Innovation room*

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[Health Human Capital and Its Contribution to Economic Growth](#)

Wulong Gu, [presentation](#)

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[Country Human Capital and Total Wealth](#)

Kenan Karakulah and Stefanie Onder, [presentation](#)

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[Human Capital Growth - with region and gender in perspective](#)

Gang Liu, Barbara Fraumeni, and Shunsuke Managi, [presentation](#)

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*Discussion*

Mary O'Mahony, and Shunsuke Managi, [presentation](#)

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14:45-  
15:00 Break

'The Street', outside Dalton Room

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15:00-  
17:00 2 Parallel Sessions (4 papers each)

Micro applications

Chair: Tsutomu Miyagawa,  
*Innovation room*

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[Using ONS firm-level survey data sources for the UK to compute firm-level markups](#)

Russell Black, [presentation](#)

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The impact of migration on regional productivity in Australia

Jasper Hesse, and Cem Özgüzel, [presentation](#)

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*Discussion*

Rebecca Riley

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[European business dynamism, firm responsiveness, and the role of](#)

Filippo Biondi, Sergio Inferrera, Matthias Mertens, and Javier

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[market power and technology](#)

Miranda, [presentation](#)

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[Evaluation of R&D subsidies in the case of industry-specific technology stocks with spill-overs](#)

Dirk Verwerft, [presentation](#)

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*Discussion*

Francesco Venturini, [comments](#)  
Miranda, , [comments](#) Verwerft

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### Regional

Chair: Andre Hofman, Dalton room

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[A comprehensive approach to understanding urban productivity effects of local governments](#)

Dylan Jong, Alexandra Tsvetkova, Alexander C. Lembcke, and Rudiger Ahrend, [presentation](#)

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[Regional Labor Input Price Gaps Across the U.S.](#)

Jon Samuels and Mun Ho, [presentation](#)

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*Discussion*

Tony Venables

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[Transition probabilities, wages and regional human capital stocks](#)

Augustin DeCoulon, Larrisa Marioni and Mary O'Mahony, [presentation](#)

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Do mass lay-offs affect regional economies?

Wessel Vermeulen, and Nils Braakmann, [presentation](#)

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*Discussion*

Raquel Ortéga-Argiles

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17:00 Close of Conference

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### Posted Papers (not on agenda)

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[Micro-Growth Accounting \(MGA\)](#)

Victor Elias

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[Why Do We Observe a Regional  
Balassa-Samuelson Effect?](#)

Joji Tokui

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